

## ABSTRACT

### METHOD OF PRODUCING A PHOTONIC BANDGAP (PBG) STRUCTURE ON A MICROWAVE DEVICE AND ANTENNAS OF THE SLOT TYPE USING SUCH A STRUCTURE

The present invention relates to a method of producing a photonic bandgap (PBG) structure on a slot-type microwave device produced on a metallized substrate in which periodically spaced patterns 4 are formed on the opposite side of the substrate 1 from that receiving the slot 3. The invention applies to slot antennas.

Figure 1